

**AMENDMENTS TO THE DRAWINGS**

Please replace the original Drawing Sheets showing Figures 13-20 in the present application with the attached Replacement Drawing Sheets showing Figures 13-20 with proper labeling.

Attachment: Seventeen (17) Annotated Sheets Showing Changes

Seventeen (17) Replacement Drawing Sheets

**REMARKS**

This is in response to the Notice to File Corrected Application Papers – Notice of Allowance Mailed (the “Notice”) dated October 18, 2010, a copy thereof is attached. Applicants hereby submit Annotated Sheets Showing Changes and Replacement Drawing Sheets containing Figures 13-20 in the present application. According to the Notice, Figures 13-20 as originally submitted is continued onto a second page (or more) without proper labeling as continuation. The Replacement Drawing Sheets containing Figures 13-20 submitted herewith correct the aforementioned defects. The amendments to Figures 13-20 find support *inter alia* in the original Figures 13-20. No new matter has been added in the Replacement Drawing Sheets submitted herewith. In view of the present amendments, Applicants believe that the application is in compliance with 37 CFR § 1.84 and 37 CFR § 1.121(d).

This response is filed within the two-month period for response from the mailing of the Notice. No fee is believed due. However, if a fee is due, please charge our Deposit Account No. 03-2775, under Order No. 13478-00002-US from which the undersigned is authorized to draw.

Respectfully submitted,

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Annotated Sheets Showing Changes

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Figure 13: Alignment of SEQ ID NO: 2 with Swiss Prot database

	1	50
Q9JZ47	.....	.MSSNKASFFTRL
Q9JU41	.....	.MSSNKASFFTRL
Q59601	.....	.MSSNKASFFTRL
Q9HW50	.....	.MARLRLLLRSARL
SEQ ID NO: 2	.....	.MSAWTAKTAVGL
035259	METIMDDEVTKRTSAEELESWNLLSRTNYNFQYISLRLLTILWGLGVLIRY	
	51	100
Q9JZ47	RRLCRLAVWLFKTGKNLRGIDGG.CPESRNRAVIELGRGVLAALD....	
Q9JU41	RRLCRLTVWLFKTGKNLRGIDGG.CPESRNRAVIELGRGVLAALD....	
Q59601	RRLCRLTVWLFKTGKNLRGIDGG.CPKSRNRAVIALGKGALAALD....	
Q9HW50	LGLVALGLGLAAWVSLRERLPAGADVTPLRQLTRWWIARLCAALP....	
SEQ ID NO: 2	LTLAPARIVFLVTVLGYGLTVAACTRLGVPKSFVLGLTRCVARLTWGL	
035259	CFLPLRLIALAFTGIGLLVVGTTMVGYLPNGRFKEFLSKHVHLMCYRICV	
	101	150
Q9JZ47	..IGLEVGRPAPEHPNG..VLVAANHVSWLDIFAMS.AVYPSSFIAKQEI	
Q9JU41	..IGLEVGRPAPEHPNG..VLVAANHVSWLDIFAMS.AVYPSSFIAKQEI	
Q59601	..IGLEVGRPAPEHPNG..VLVAANHVSWLDIFAMS.AVYPSSFIAKQEI	
Q9HW50	..FEVRVSGEAPRQP....MLWVANHVSWTDIPLL.G.ALAPLTFLSKAEV	
SEQ ID NO: 2	GFYHIEVSCDAQGLREWP.RVIVANHVSYLEIILYFMSTVHCPSFVMKKTC	
035259	RALTAIITYHNRKNPRNGGICVANHTSRIDVIIFASDGYYAMVGQVHG	
	151	200
Q9JZ47	KSWPVLGKMGQNAGTVFINRNSRR.....DIEPINRAVCETLQRGQ	
Q9JU41	KSWPVLGKMGQNAGTVFINRNSRR.....DIEPINRAVCETLQRGQ	
Q59601	KSWPVLGKMGQNAGTVFINRNSRR.....DIEPINRAVCETLQRGQ	
Q9HW50	RAWPLAGWLAEKAGTLEFIRRGSG.....DSRLINQRLAEQLHRGR	
SEQ ID NO: 2	LRVPLVGYIAMELGGVIVDREGGGQSASAIIRDGVQEPPRDSSSEKHHAQ	
035259	LMGVIQRAMVKACPHWFERSEVK.....DRHLVAKRLTEHVQDKS	
	201	250
Q9JZ47	..NVSFFPEARTSSGLLPPKAALFQSAIDAGAKVLAVALRYYDETGKR	
Q9JU41	..NVSFFPEARTSSGLLPPKAALFQSAIDAGAKVLAVALRYYDETGKR	
Q59601	..NVSFFPEARTSSGLLPPKAALFQSAIDAGAKVLAVALRYYDETGKR	
Q9HW50	..NLLIFPEGTTNGESLRTFHGRLMASALEAGVAVQPVAISYRRDGVD	
SEQ ID NO: 2	..PLLVFPEGTTNGSCLLQFKTGAFR...PG.APVLPVVLEFPIDKARG	
035259	KLPILIFPEGTCINNTSVMFKKGSFEIG....ATVYPVAIKY..DPQFG	

Annotated Sheets Showing Changes

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Figure 13 (continued)

	251	300
Q9JZ47	TARPSYADVGLPTCLWRIVSMKKLTIRVDFVCVADAAE.....	
Q9JU41	TARPSYADVGLPTCLWRIVSMKKLTIKVDFVCVADAAE.....	
Q59601	TARPSYADVGLPTCLWRIVSMKKLTIKVDFVCVADAAE.....	
Q9HW50	AQAPFIGDDDLLSHLGRLLRGERGSVHIQLLEPIPSQ.....	
SEQ ID NO: 2	DFSPAYESVHTPAHLLRMLAQWRHRLRVRYLPLYEPSAAEKVDADLYARN	
035259	DAFWNSSKYGMVTYLLRMMTSWAIVCSVWYLPPMTRE.....	
	301	349
Q9JZ47	...SEDRYALKDKIEESIRAVVADDADI AV.....	
Q9JU41	...SEDRYALKDKIEESIRAVVADDADI AV.....	
Q59601	...SEDRYALKDKIEESIRAVVADDADI AV.....	
Q9HW50	...GLDRAELARQAQQAVRLALFGTAAPTQTRRAA.....	
SEQ ID NO: 2	VRDEMARALKVPTVEQSYRDKLVYHADLMPHYQKAGPGALYLYVRPDLL	
035259	.....KDEDAVQFANRVKSAIARQEDW.....	

Annotated Sheets Showing Changes

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Figure 14: Alignment of SEQ ID NO: 5 with Swiss Prot database

	1	50
Q9C9P8	MEVCGDLKSDNLKNRPLTPLRILRGLMILLVFLSTAFMFLLYFAPIAALG	
Q9SFJ1	MEVCGDLKSDNLKNRPLTPLRILRGLMILLVFLSTAFMFLLYFAPIAALG	
Q9LHN4	.....MEKKSVPSDKLSLIRVLRGITICLMVLVSTAFMMLIFWGFLSAVV	
SEQ ID NO: 5	.....	
Q9SDN3	.....	
Q9XFW4	.....MAMAAAVIVPLGILFFISGLVVNLLQAVCYVLV	
	51	100
Q9C9P8	LRLLSVQQSRKVVSIFGLWLALWPYLFETVNGTTVVSGDIIP...VEK	
Q9SFJ1	LRLLSVQQSRKVVSIFGLWLALWPYLFETVNGTTVVSGDIIP...VEK	
Q9LHN4	LRLFSIRYSRKCVSFFFFGSWALWPFLFEKINKTKVIFSGDKVP...CED	
SEQ ID NO: 5	.....MDVVVKVIFAGDKVP...KEN	
Q9SDN3	.....MGKE	
Q9XFW4	RPM SKNTYRKINRVVAETLWELVWIVDWWAGVKIQVPADDETFRNRMGKE	
	101	150
Q9C9P8	RVLLIANHRTEVDWMLWNIALRKGC GLGYIKYVLKSSLMKLP IFGWGFHV	
Q9SFJ1	RVLLIANHRTEVDWMLWNIALRKGC GLGYIKYVLKSSLMKLP IFGWGFHV	
Q9LHN4	RVLLIANHRTEVDWMLWNIALRKGC QIGNIKYVLKSSLMKLP FGFHAFHL	
SEQ ID NO: 5	RVMVMCNHRTEVDWMLWNIAIRKGKIGYCKYAVKNSVKNLPLFGWAFYV	
Q9SDN3	HALVISNHRSDIDWLGVWVLAQRSGCLGSSLAVMKSSKFLPVIGWSMWF	
Q9XFW4	HALVVCNHRSDIDWLGVWILAQRSGCLGSALAVMKSSKFLPVIGWSMWF	
	151	200
Q9C9P8	LEFIPVERKREVDEPVLLQMLSSFKDPQEPLWLALFPEGTDFEEKCKRS	
Q9SFJ1	LEFIPVERKREVDEPVLLQMLSSFKDPQEPLWLALFPEGTDFEEKCKRS	
Q9LHN4	FEFIPVERRWEVDEANLRQIVSSFKDPRDALWLALFPEGTDYEAKCQRS	
SEQ ID NO: 5	FEFLMLHRKWEVDAPVIKYIDSFQDKRDPWL VVFPEGTDFSEAKRTG	
Q9SDN3	SEYLFLERSWAKDEGTLKSGVQRLKDFPQFWLALFVEGTRFTQAKLLAA	
Q9XFW4	SEYLFLERNWAKDESTLQSQLQRLNDFPRFWLALFVEGTRFTEAKLCAA	
	201	250
Q9C9P8	QKFAAEVGLPALSNVLLPKTRGFGVCLEV LHNSLD AYDLTIAYKPRCP.	
Q9SFJ1	QKFAAEVGLPALSNVLLPKTRGFGVCLEV LHNSLD AYDLTIAYKPRCP.	
Q9LHN4	KKFAAENGLPILNNVLLPRTKGFVSCLOELCSLD AYDVDTIGYKTRCP.	
SEQ ID NO: 5	NAIGREKGYPELVNVLQPRTKGFVTCLS QSRCSLD AYDLTIAYKPRCP.	
Q9SDN3	QEYAAATGLPVPRNVLI PRTKGFVTAVSQMR SFAPAIYDVTVAIPKSSPA	
Q9XFW4	QEYAASSEL PVPRNVLI PRTKGFVSAVNMR SFVPAIYDMTVAIPKTSPP	

Annotated Sheets Showing Changes

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Figure 14 (continued)

	251	300
Q9C9P8	SFMDNVFGTDPSEVHIHVRVLLKEIPANEAESSAWLMDSFKLKDNLSD	
Q9SFJ1	SFMDNVFGTDPSEVHIHVRVLLKEIPANEAESSAWLMDSFKLKDNLSD	
Q9LHN4	SFLDNVYGIEPSEVHIHIRRINLTQIPNQEKDINAWLMNTFQLDQLLND	
SEQ ID NO: 5	LFINNVFGTDPSEVHIHIRRIPISEIPQSEDGMTQWLYDLFYQKDQMLAS	
Q9SDN3	PTMLRLFEGRPSVVHVHIKRHVMRDLPETDEAVAQWCKDIFVAKDALLDK	
Q9XFW4	PTMLRLFKGQPSVVHVHIKCHSMKDLPEPEDEIAQWCRDQFVAKDALLDK	
	301	350
Q9C9P8	FNAQGKFPNQRPEEELSVLCIATFAGKQQQVTKPSCQKVFLNNQSSDE	
Q9SFJ1	FNAQGKFPNQRPEEELSVLCIATFAGKQQQVTKPSCQKVFLNNQSSDE	
Q9LHN4	FYSNGHFPNEGTEKEFNTKKYLINCLAVIAFTTICHTLTFSSMIWFRIY	
SEQ ID NO: 5	FSKTGSFPDSGIE.ESPLNIVEGVNCVALHVVLSGWVFWCLFHWSVLKLY	
Q9SDN3	HTVEQTFGDQQLKVTGRPLKSLLVVTAWACLLILGALKFLYWSSLSSWK	
Q9XFW4	HIAADTFPGQKEQNIGRPIKSLAVVSWACLLTGAMKFLHWSNLFSSWK	
	351	400
Q9C9P8	KESKKAVAQHPFTDTLDHLFQVEHSISCFLYMHIYNLSTCHLISLYE...	
Q9SFJ1	KESKKAVAQHPFTDTLDHLFQVEHSISCFLYMHIYNLSTCHLISLYE...	
Q9LHN4	VSLACVYLTSAHFNLRSVPVLTAKNSLKLVNK.....	
SEQ ID NO: 5	VAFASLLLAFSTYFDWRPKPVYSSLRTKRKIV.....	
Q9SDN3	GIAFSALGLGVVTVLMQILIRFSQSERSTPAPVAPTNNKNKGESSGKPEK	
Q9XFW4	GIALSAFGLGIITLCMQILIRSSQSERSTPAKVAPAKPKDNHQSGPSSQT	
	401	
Q9C9P8	.....	
Q9SFJ1	.....	
Q9LHN4	.....	
SEQ ID NO: 5	.....	
Q9SDN3	QQ.....	
Q9XFW4	EVEEKQK	

Annotated Sheets Showing Changes

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Figure 15: Alignment of SEQ ID NO: 35 with Swiss Prot database

P04180	1	50
Q08758	.....	....MGP
Q9MZ04	.....	....MGL
Q9DDJ6	.....	....MGR
Q9Y2B3	.....	....MGL
SEQ ID NO: 35	MCSISCGSTPQQQLCHYRKSGELITRKSRAAIRWWRYGQQCKVLLPLDLIR	
P04180	51	100
Q08758	PGSPWQWVTLLLGLLLPP.....	.AAPFWLLNVLFPPHTTPK
Q9MZ04	PGSPWQWPVLILLGLLLPP.....	.AAPFWLLNVLFPPHTTPK
Q9DDJ6	PGSPWQWVLLLELLLPPT.....	.AAPFWLLNVLFPPHTTPK
Q9Y2B3	TGAGFALLTLLLLLPQP.....	.ASQFWLFNVLFPPTSTPE
SEQ ID NO: 35	HLRPYRVGLLPDGLLFL.....	.LLLMILLADPALP.....
P04180	101	150
Q08758	AELS NHTRPVILVPGCLGNQLEAKLDKPDVVN.WMCYRKTEDFFT IWL DL	
Q9MZ04	AELS NHTRPVILVPGCLGNQLEAKLDKPDVVN.WMCYRKTEDFFT IWL DL	
Q9DDJ6	AELS NHTRPVILVPGCLGNQLEAKLDKPDVVN.WMCYRKTEDFFT IWL DL	
Q9Y2B3	APPTNSTPPVVLVPGCLGNQLEAKLDKPDVVN.WMCYRKTEDYFTIWLNL	
SEQ ID NO: 35	...AGRHPVVVLVPGD LGNQLEAKLDKPTV VH.YLC SKKT ESYFTIWLNL	
P04180	151	200
Q08758	NMFLPLGVDCWIDNTRVVYNRSSGLVS NAPGVQIRVPGFGKTY SVEY LDS	
Q9MZ04	NMFLPLGVDCWIDNTRVVYNRSSGLVS NAPGVQIRVPGFGKTY SVEY LDS	
Q9DDJ6	NMFLPLGVDCWIDNTRVTY NHSS GRVS NAPGVQIRVPGFGKTY PVEY LDN	
Q9Y2B3	NTFLPVGVDCWIDNTRVVYNRTSRKMS NAPGVH IRVPGFGKTY SVEY LDQ	
SEQ ID NO: 35	ELL LPVI IDCWIDNIRLV YNKTSRAT QFPDGVDVRVPGFGKTF SLEFLDP	
P04180	201	250
Q08758	SK..LAGYLHTLVQNLVNNGYVRDETVRAAPYDWRLEPGQQE.....EYY	
Q9MZ04	SK..LAGYLHTLVQNLVNNGYVRDETVRAAPYDWRLEPGQQE.....EYY	
Q9DDJ6	SK..LAGYMHTLVQNLVNNGYVRDETVRAAPYDWRLGPKQQE.....EYY	
Q9Y2B3	SK..LAGYLHTLVQNLVNNGYVRDQT VRAAPYDWRVGPQEQP.....EYF	
SEQ ID NO: 35	SKSSVGSYFHTMVESLVGWGYTRGEDVRGAPYDWRRAPNENG.....PYF	
SEQ ID NO: 35	SLKFLTGYMIHLVNALKAHGYENGKSLYGAPYDFRFAPGPHASNVALEYL	

Annotated Sheets Showing Changes

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Figure 15 (continued)

	251	300
P04180	RKLAGLVEEMHAAYG.KPVFLIGHSLGCLHLLYFLLRQPQAWKDRFIDGF	
Q08758	HKLAGLVEEMHAAYG.KPVFLIGHSLGCLHLLYFLLRQPQAWKDRFIDGF	
Q9MZ04	RDLARLVEEMHATYG.KPVFLIGHSLGCLHLLHFLLHQPQSWKDRFIDGF	
Q9DDJ6	QNLKALIEEMHDEYQ.QRVFLIAHSMGNLNLYFLLQQRQAWKDQYIGGF	
Q9Y2B3	LALREMIEEMYQLYG.GPVVLVAHSMGNMYTLYFLQRQPQAWKDKYIRAF	
SEQ ID NO: 35	KDLKDLIETAYSVNANEPEVVLILAHSMSGGLWTFLNQQSMEWRNKYVSRF	
	301	350
P04180	ISLGAPWGGSIKPMLVLASGDNQGIPIMSSIKLKEEQRITTTSPWMFPSR	
Q08758	ISLGAPWGGSIKPMLVLASGDNQGIPIMSSIKLKEEQRITTTSPWMFPSR	
Q9MZ04	ISLGAPWGGSIKPMLVLASGDNQGIPIMSSIKLKEEQRITTTSPWMFSS	
Q9DDJ6	ISLGAPWGGSVKPLRVLASGDNQGIPMSNIKLREEQRMTTSPWMFPTS	
Q9Y2B3	VSLGAPWGGVAKTLRVLASGDNNRIPVIGPLKIREQRSAVSTSLLPYN	
SEQ ID NO: 35	VSVATPWGGAVEQMFTASGNPEGVPVFVNSLVVREEQRRSESNLWLLPVR	
	351	400
P04180	MAWPEDHVFISTPSFNYTGRDFQRFFADLHFEEGWYMWLQ.SRDLLAGLP	
Q08758	LAWPEDHVFISTPSFNYTGRDFQRFFADLHFEEGWYMWLQ.SRDLLAGLP	
Q9MZ04	EVWPEDHVFISTPSFNYTIRDYQRFFDVHFEEGWYMWLQ.SRDLLAGLP	
Q9DDJ6	LAWPEDHIFISTPSYNNTYRDYKQFFTVDNLEDGWYMWED.MKDLLKGLP	
Q9Y2B3	YTWSPEKVFVQTPTINYTLRDRKFFQDIFGFDGWLMRQD.TEGLVEATM	
SEQ ID NO: 35	RCFR.DRPLVITSSRNYTAGDMEQFLCDIGFPEGVAPYKSRIPLTDILQ	
	401	450
P04180	APGVEVYCLYGVGLPTPRTYIYDHGFPYTDPGVLYEDGDDTVATRST.E	
Q08758	APGVEVYCLYGVGLPTPRTYIYDHGFPYTDPGVLYEDGDDTVATRST.E	
Q9MZ04	APGVEVYCLYGVGLPTPSTYIYDHGFPYTDPLDVLYEDGDDNTVATRSM.E	
Q9DDJ6	PPGVDTYCLYGTGYPTVETYIYDEHFPYEDPVDMIYGDGDDTVNRSS.E	
Q9Y2B3	PPGVQLHCLYGTGVPTPDYES.FPDRDPK.ICFGDGDGTVNLSKA.L	
SEQ ID NO: 35	PPQVPVTЛИHGYGVPTAETLSYEK.KGFDNHPEITEGDGDGTVNVCST	
	451	500
P04180	LCGLWQGRQPQPVHLLPLHGIQHLMVFSNLTEHINAILLGAYRQGPPA	
Q08758	LCGLWQGRQPQPVHLLPLRGIQHLMVFSNQTLTEHINAILLGAYRQGPPA	
Q9MZ04	LCSQWQGRQPQPVHLLPLHRIQHLMVFSNQTLTEHINDILLGAYRHGNPV	
Q9DDJ6	LCKRWRNQQKQKVHQELRGIDHLMVFSNLTLSSINEILLGSSQVGAGT	
Q9Y2B3	QCQAWQSRQEHQVLLQELPGSEHIEMLANATTLAYLKRVLLGP.....	
SEQ ID NO: 35	VVEEWERVAGQELEMIALHGKQHMQILHDDHSVQVIVDAILNVTPQEQLM	
	501	524
P04180	SPTASPEPPPPE.....	
Q08758	SLTASPEPPPPE.....	
Q9MZ04	PPAASPRPLTPE.....	
Q9DDJ6	KEHGEGLQMGALKSSLEAGRGGKN	
Q9Y2B3	.....	
SEQ ID NO: 35	FH.....	

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Figure 16: Alignment of SEQ ID NO: 23 with Swiss Prot database

	1	50
P10349	.....	
Q9FEP9	.....MFILSSSSSTLPSAPPFSSTTSIFLSFSRVSLPPSSSSLK...	
Q39639	MFILSAVSSSSSSVPSSLPPFSLSPSISLSFSRVSLPPSSSSSSL	
Q9FEQ0	.....MFILSSSSSLPSPLSLSSRVSLPPPSSSSLN..	
Q9M4V1	.....MLVPSALPRVSRVSVAARFSVSGVGSSPALSSRS	
SEQ ID NO: 23	.....MPSLFRAKRNGRRTPGNAVTN...	
	51	100
P10349	.....MAELIQDKESAQSAATAAAAS	
Q9FEP9	..LLPLSLQFGPPKLAS .SCSLRFSASRAMAELI IQDKESAQSAATAAAAS	
Q39639	KLFLPLSLHFTPPKLSSPHSFLRFSASRAMAELI IQDKESAHTPSTDVTR	
Q9FEQ0	..LLPLSPHFQPPNLAC...SCVASRSTAELLHDFKHSAGTAASADEAR	
Q9M4V1	CTSLDSSVRSSLRRCPGIYTSRTKAVVEAVESKASAREWRSAVKRAVLA	
SEQ ID NO: 23	.....FGKSEFH.....R..EIS...GSTRATTQVAEATTAGLRE	
	101	150
P10349	SGYERRNEPAHSRKFLDVRSEEELLSCIKKETEAGKLPPNVAAGMEELYQ	
Q9FEP9	SGYERRNEPAHSRKFLDVRSEEELLSCIKKETEAGKLPPNVAAGMEELYQ	
Q39639	N.....DPPHSRAFLDLRSEEELLSCIRRETEAGKLPSNVAGMEELYQ	
Q9FEQ0	N.....HLPHSRAFLDVRSEQELLSYIRREAEAGKLPSNVAGMEELYQ	
Q9M4V1	SDTGAEEEVGHSHSFLRARSEEELLSYIRKEVETGRLSSDIANGLEELYY	
SEQ ID NO: 23	TIEDRAIIDGHSHSFEGIQSEEELMQVIEKEVESGRPKRAGAGMVELYR	
	151	200
P10349	NYRNAVIESGNPKADEIVLSNMTVALDRILLDVEDPFVFSSHHKAIREPF	
Q9FEP9	NYRNAVIESGNPKADEIVLSNMTVALDRILLDVEDPFVFSSHHKAIREPF	
Q39639	NYKNAVFESGNPKADEIVLSNMTVALDRILLDVEDPFMFSPHHKAIREPF	
Q9FEQ0	NYKNAVLKGNSGNPKADEIVLSNMTVALDRILLDVEEPFVFSPHHKAVREPF	
Q9M4V1	NYRNAVLQSGDPRANKIILSNMAVAFDRILLDVEDPFTFSPHHQAIREPF	
SEQ ID NO: 23	NYRDAVVSSGVENAMDIVVKVMSTVLDRIILQFEEPFPTFGSHHKRMVEPY	
	201	250
P10349	DYYIFGQNYIRPLIDFGNSFVGNLSLFKDIEEKLQQGHNVVLISNHQTEA	
Q9FEP9	DYYIFGQNYIRPLIDFGNSFVGNLSLFKDIEEKLQQGHNVVLISNHQTEA	
Q39639	DYYTFGQNYVRPLIDFENSFVGNLSLFKDIEEKLHQGHNVVLISNHQTEA	
Q9FEQ0	DYYTFGQNYVRPLIDFGNSFVGNPFLFKDIEEKLHQGHNVVLISNHQTEA	
Q9M4V1	DYYMFGQNYIRPLIDFRRSYIGNISIFSDMEEKLQQGHNVLMSNHQTEA	
SEQ ID NO: 23	DYYTFGQNYVRPLLDFRNSYLGNLKIFDQIEKNLKEGHNVIFLSNHQTEA	

Annotated Sheets Showing Changes

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Figure 16 (continued)

	251	300
P10349	DPAIISLLLEKTNPYIAENTIFVAGDRVILADPLCKPFSIGRNЛИCVYSKK	
Q9FEP9	DPAIISLLLEKTNPYIAENTIFVAGDRVILADPLCKPFSIGRNЛИCVYSKK	
Q39639	DPAIISLLLEKTNPYIAENMIYVAGDRVIAADPLCKPFSIGRNЛИCVYSKK	
Q9FEQ0	DPAIISLLLEKTPSYIAENMIYVAGDRVIVDPLCKPFSIGRNЛИCVYSKK	
Q9M4V1	DPAIALLLERTNSHIAETMVFVAGDRVLTDPCKPFSMGRNLLCVYSKK	
SEQ ID NO: 23	DPAVMALLLEHSHPYLAENLTYVAGDRVLDPFCKPFSMGRNLLCVYSKK	
	301	350
P10349	HMFDIPELTETKRKANTRSLKEMALLLRGGSQLIWIAPSGGRDRPDPSTG	
Q9FEP9	HMFDIPELTETKRKANTRSLKEMALLLRGGSQLIWIAPSGGRDRPDPSTG	
Q39639	HMLDIPELAETKRKANTRSLKEMALLLRGGSQLIWIAPSGGRDRPDPSTG	
Q9FEQ0	HMFDIPELAETKRKANTRSLKEMALLLRGGSQLIWIAPSGGRDLDPSSG	
Q9M4V1	HMDDVPELIEMKRRANTRSLKEMALLLRGGSQIIWIAPSGGRDRPDPSTG	
SEQ ID NO: 23	HIHDVPDLAEMKIKANAKTLRQMTILLRQGGQYYG.....	
	351	400
P10349	EWYPAPFDASSVDNMRRLIQHSDVPGHLFPLALLCHDIMPPPSQVEIEIG	
Q9FEP9	EWYPAPFDASSVDNMRRLIQHSDVPGHLFPLALLCHDIMPPPSQVEIEIG	
Q39639	EWYPAPFDASSVDNMRRLLQHSGAPGHLFPLALLCYDIMPPPSQVEIEIG	
Q9FEQ0	EWLPAPFDASSMDNMRRLIQHSGVPGHLCPALLCYDIMPPPSKVEIEIG	
Q9M4V1	EWHAPAPFDVSSVDNMRRLVEHSSVPGHIYPLSLLCYEVMPQQVEKQIG	
SEQ ID NO: 23	.....	
	401	450
P10349	EKRVIAFNGAGLSVAPEISFEEIAATHKNPEEVREAYSKALFDVAMQYN	
Q9FEP9	EKRVIAFNGAGLSVAPEISFEEIAATHKNPEEVREAYSKALFDVAMQYN	
Q39639	EKRVISFNGTGLSVGPEISFDEIAASRDNPDEVREAYSKALYDSVAKQYN	
Q9FEQ0	EKRVISFNGVGLSLAPAISFEAIAATHRNPDEAREAYSKALFDVSMQYN	
Q9M4V1	ERRTISFHGVGLSVAPELNPNELTAGCETPEEAKEAFSQALYNVGEQYN	
SEQ ID NO: 23	.....	
	451	476
P10349	VLKTAISGKQGLGASTADVSLSQPW.	
Q9FEP9	VLKTAISGKQGLGASTADVSLSQPW.	
Q39639	VLKAAIDGKQELEASVADVSLSQPWI	
Q9FEQ0	VLKAAIYGRQALRASTADVSLSQPWI	
Q9M4V1	VLKSAIHEHRGLNASNSIISLSQPWQ	
SEQ ID NO: 23	.....	

Annotated Sheets Showing Changes

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Figure 17: Alignment of SEQ ID NO: 27 with Swiss Prot database

SEQ ID NO: 27	1	50
Q9XFW4		.MAMAAAIVPLGILFFISGLVNVNLLQAVCYVLVRPMNSKNTYRKINRVVA
Q40119		MAIPAAAFIVPISLLFFMSGLVVNFIQAVFYVLVRPISKDTYRRINTLVA
Q9SDN3		.....
Q41745		MAIPLVLVVLPLGLLFLSGLIVNAIQAVLFVTIRPFSKSFYRRINRFLA
Q9SYC8		MKIPAALVFIPVGVLFLISGLIVNIIQLVFFIIVRPFSRSLYRRINKVA
SEQ ID NO: 27	51	100
Q9XFW4		EVWLSELIWLLDWWANVKVKVYTPKESWEHLGKEHALLICNHRSDIDWLV
Q40119		ETLWLELVWIVDWWAGVKIQVFADDETFRNRMGKEHALVVCNHRSDIDWLV
Q9SDN3		ELLWLELVWVIDWWAGVKVQLYTDTESFRLMGKEHALLICNHRSDIDWLI
Q41745		ELLWLQLVWVWDWWAGVKVQLHADEETYRSMGKEHALIISNHRSDIDWLI
Q9SYC8		ELLWLQLIWLFDWWACIKINLYVDAETLELIGKEHALVLSNHRSDIDWLI
SEQ ID NO: 27	101	150
Q9XFW4		GWIIAQRLGCLGGTRAVMKKSTKFLPVIGWSMWFSEYVFLSRDWAKDEKV
Q40119		GWILAQRSGCLGSALAVMKSSKFLPVIGWSMWFSEYLFLERNWAKDEST
Q9SDN3		GWVLAQRCGCLSSIAVMKSSKFLPVIGWSMWFSEYLFLERNWAKDENT
Q41745		GWVLAQRSGCLGSTLAVMKSSKFLPVIGWSMWFAEYLFLERSWAKDEGT
Q9SYC8		GWVMAQRVGCLGSSLAIMKEAKYLPITGWSMWFSDYIFLERSWAKDENT
SEQ ID NO: 27	151	200
Q9XFW4		LKNGYSSLKGFPRTLWVALFVEGTRFTKAKLEAAQKFAADTGLRVPRHVL
Q40119		LQSLQRLNDFPFRPFWLALFVEGTRFTEAKLKAAQEYAASSELPVPRNVL
Q9SDN3		LKSGLQRLNDFPKPFWLALFVEGTRFTKAKLLAAQEYAASAGLPVPRNVL
Q41745		LKSGVQRLKDFQPFWLALFVEGTRFTQAKLLAAQEYAATGLPVPRNVL
Q9SYC8		LKWGLQRLKDFPRPFWLALFVEGTRFTPQAKLLAAQEYAASQGLPAPRNVL
SEQ ID NO: 27	201	250
Q9XFW4		IPRTKGFVSAVENLREFVPVVYDMTVAISKEPNPTMIRIFRGQPSVVHV
Q40119		IPRTKGFVSAVNMRSPVPAIYDMTVAIPKTSPPTMLRLFKQPSVVHV
Q9SDN3		IPRTKGFVSAVNMRSPVPAIYDLTVIAIPKTTEQPTMLRLFRGKSSVVHV
Q41745		IPRTKGFVTAQSQMRSPVPAIYDVTVAIPKSSPAPTMRLFEGRPSVVHV
Q9SYC8		IPRTKGFVSAVSIMRDFVPAIYDTTVIVPKDSPQPTMLRILKGQSSVIHV
		IPRTKGFVSAVSEIRSFVPAIYDCTLTVHNNQPTLLRMFSGQSSEINL

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Figure 17 (continued)

	251	300
SEQ ID NO: 27	HVRVPMSDLPEGANAISKWCHDAFHIKDDRLEQHEKENTFGEDLYIPIE Q9XFW4 HIKCHSMKDLPEPEDEIAQWCRDQFVAKDALLDKHIAADTFPGQKEQNIG Q40119 HLKRHLMKDLPKTDDGVAQWCKDQFISKDALLDKHVAEDTFSGLEVQDIG Q9SDN3 HIKRHVMRDLPETDEAVAQWCKDIFVAKDALLDKHTVEQTFGDQQLKVTG Q41745 RMKRHAMSEMPKSDEDVSKWCKDIFVAKDALLDKHLATGTFD.EEIRPIG Q9SYC8 QMRRHKMSELPETDGIAQWCQDLFITKDAQLEKYFTKDVFSDLEVHQIN	
	301	350
SEQ ID NO: 27	RPLKPLIIVISWAITLLAAAWFLRR..VLSTWKGIAWAGVLVVVMLCV Q9XFW4 RPIKSLAVVVSWACLLTLGAMKFLHWSNLFSSWKGIALSAFGLGIITLCM Q40119 RPKSLSVVVSVWMCLLCLGLVKFLQWSALLSSWKGMMITTFLVGLIVTVLM Q9SDN3 RPLKSLLVVTAWACLLLILGALKFLYWSSLSSWKGIAFSALGLGVVTVLM Q41745 RPVKSLLVTLFWSCLLLFGAIEFFKWTQLLSTWRGVAFTAAGMALVTGVM Q9SYC8 RPIKPLIVVIIWLGFVFGFKLLQWLSIVASWKIILLFVFFLVIATITM	
	351	391
SEQ ID NO: 27	QILVMSSQSERSSDPAAKKANQKQAASVAHLGKTD..... Q9XFW4 QILIRSSQSERTPAKVAPAKPKDNHQSGPSSQTEVEEKQK Q40119 HILIRSSSQSEHSTPAKTRARQTAENPK..... Q9SDN3 QILIRFSQSERTPAPVAPTNNKNKGESSGKPEKQQ..... Q41745 HVFIMFSQAERSSSARAARNRKKE..... Q9SYC8 QILIQSSESQRSTPAKRPLQEQLISA.....	

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Figure 18: Alignment of SEQ ID NO: 8 with Swiss Prot database

SEQ ID NO: 8	1	50
P42322	.....	.....
Q9NWK7	.....	.....
Q9XFJ4	.....	MGQREDIRTLSNEYEVTDIPRRGGLSVVRGTRRTLHSGQHHE
O35259	.....	.....
Q9FF57	.....	.....
SEQ ID NO: 8	51	100
P42322	.....	.....
Q9NWK7	.....	.....
Q9XFJ4	.....	VVAIKTLR.RFGPPPAPPEKKSLNKSRVPAALISETLLTNELLVMIKIVE
O35259	.....	METIMDDEVTKRTSAEELESWNLLSRTNYN.
Q9FF57	.....	MIEQLGLIIIMGLIHYQSERVKPREWLKLSSSENSR
SEQ ID NO: 8	101	150
P42322	.....	.....
Q9NWK7	.....	.....
Q9XFJ4	.....	DVS PHPNVIHLYDVCEDPSGVHLILELCSGGELFDRIAGQARYNEEGAAA
O35259	.....	.FQYISLRLTILWGLGVLIIRYCFLLPLRIALAFTGIGLLVVGTTMVGY
Q9FF57	.....	LG.NTKTNHRRSETGDVSYEQRDLLDISPTLTEAAGAIVDFHCFKTCRCF
SEQ ID NO: 8	151	200
P42322	.....	.....
Q9NWK7	.....	.....
Q9XFJ4	.....	VVRQIAKGLEALHGASIVHRDLKPENCLFLNDENSPLKIMDFGLSSIED
O35259	.....	LPGNGRFKEFLSKHVHLMCYR.....
Q9FF57	.....	TLAFGWIIFLSLFIPVNALLK.....
SEQ ID NO: 8	201	250
P42322	.....	.....
Q9NWK7	.....	.....
Q9XFJ4	.....	FANPVVGLFGSIDYVSPEALSREKITTKSDIWSLGVILYILLSGYPPFIA
O35259	.....	.....
Q9FF57	.....	..... GQDRLRKIER

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Figure 18 (continued)

	251	300
SEQ ID NO:	8	MVIRYPHKYVNPSWCDQGGPLVVVLQLMTQFINHMEVEYL PVMKPTVREM
P42322		.....
Q9NWK7		.....
Q9XFJ4		PSNRQKQQMILNGQFSDEKTWKNISSSAKQLISSLKVDPNMRPTAQEI
O35259		ICVR.ALTAIITYHN.....
Q9FF57		VLVEMICSFFVASWTG.....
	301	350
SEQ ID NO:	8	KYPHEFASRVSEMAKALGIVCTEH SFLD...IKLALAAEKLKQPSGRSL
P42322		.....MGTNTSSLRP
Q9NWK7		.....MGN
Q9XFJ4		LEHPWVTGDLAKQEQM DAEIVSRLQSFNARRKFRAAAMASILSSSFLRT
O35259		.....RKNRPRN.....GG
Q9FF57		.....VVKYHGPRPSIRP...KQ
	351	400
SEQ ID NO:	8	VEFARMEKLFRLDFPTAKEYLEKFSAMDRTHSGF..VTFEECLTALDLP.
P42322		EEVEEMQKGTNFTQKEIKKLYKRFKKLDKGNGT..ISKDEFMLIPELA.
Q9NWK7		ENSLPMELCSNFDPDEIKRLGKRFRKLDLDNSGS..LSVDEFMTLPELQ.
Q9XFJ4		KKLKLVGSYDLKPEELENLSHNFKKICKNGENSTLLEFEEVLKAMEMSS
O35259		ICVANHTSRIDVIIFASDGYYAMVGQVHGLMGVIQRAMVKACPHWFE.
Q9FF57		VYVANHTSMIDFIVLEQMTAFAVIMQKH PGWVGLLQSTILES VGC IWFN.
	401	450
SEQ ID NO:	8	RSPITKQVFNLFDKDGHGSINREFLAGLAFVSSHTSFSSTMEA AFKACD
P42322		VNPLVKRVISIFDENGDSVNFKEFIAALSVFNAQGDQKRKLEFAFKVYD
Q9NWK7		QNPLVQRVIDIFDTDGNGEVDFKEFIEGVSQFSVKGDKL SKLRF AFAK IYD
Q9XFJ4		LVP LAPRIFDLFDNNRDGTVD MREII GGSSLKYSQGD.DALRLCFQVYD
O35259		RSEVKDRHLVAKRLTEHVQDKSKLPI LIFPEGTCINNT.SVMMFKKGSFE
Q9FF57		RSEAKDREIVAKKLRDHVQGADSNPLLIFPEGTCVNNN.YTVMFKKGAFE
	451	500
SEQ ID NO:	8	VNGDGTLSRDEVERSSL DIFPELPP.....TVFKLFDTLDINHDEKIS
P42322		IDGDGYISNGELFTVLKMMVGNNLSD.VQLQQIVDKTILEADEDGDGKIS
Q9NWK7		MDKDG YISNGELFQVLKMMVGNNLKD.TQLQQIVDKTIIHADADGDGKIS
Q9XFJ4		TDRSGCISKEEVESMLRALPEDCLPINITEPGKLDEIFDLMDANS DGKVT
O35259		IGATVYPVAIKYDPQFGDAFWNSSKYG.....MVTYLLRMMTSWAIVCSV
Q9FF57		LDCTVCPIAIKYNKIFVDAFWNSRKQS.....FTMHLLQLMTSWAVVCEV

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Figure 18 (continued)

	501	550
SEQ ID NO: 8	WEEFSSFLQRNPEYLAIIIYAHPTLLKPPTSTS.....	
P42322	FEEFAKTLSHQDLENKMTIRL.....	
Q9NWK7	FEEFCAVVGNMDVHKKMVVDV.....	
Q9XFJ4	FDEFKAAMQRDSSLQDVVLSSLRPN.....	
O35259	WYLPPTREKDEDAVQFANRVKSAIARQEDW.....	
Q9FF57	WYLEPQTIRPGETGIEFAERVRDMISLRAGLKKVPWDGYLKYSRPSPKHS	
	551	568
SEQ ID NO: 8	.....	
P42322	.....	
Q9NWK7	.....	
Q9XFJ4	.....	
O35259	.....	
Q9FF57	ERKQQSFAESILARLEEK	

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Figure 19: Alignment of SEQ ID NO: 10 with Swiss Prot database

	1	50
Q24214	.....	
P28470	.....	
SEQ ID NO: 10	MTSTENTAMFEDTSTLN GSTEANHAEFPLGERPTIGPEPPVNP FHESS	
O35259	.....	METIMDDEVTKRTSAEEL
Q9XFJ4	MGQREDIRTLSNEYEV TDIPIRRGGLSVVRRGTR RRTLHSQHHEVVAIKT	
	51	100
Q24214	.....	
P28470	.....	
SEQ ID NO: 10	WSIPQVIKTILLVPLL VIRLLSMFALMMLGYIC VKVAMIGCKDPLFKPFN	
O35259	ESWNLLSRT NYNFQYISLRLTILWGLGV LIRYCFLP.....	
Q9XFJ4	LRRFGPPP PAPEKKSLNKS RVPQAALISET LLTNELLVM MIKIVEDVS PHPN	
	101	150
Q24214	.....	
P28470	.....	
SEQ ID NO: 10	PLRRLLLV SVRLIARGV MVAMGGYY ILVKKG PAHRSV APIIVSN HIGFVD	
O35259	.....	LRLIALAFTG IGLLVVG..... TTMVG...
Q9XFJ4	VIHLYDV CEDPSGV HLILELC SGGELFD RIAGQARY NEEGAAA VVVRQIAK	
	151	200
Q24214	.....	
P28470	.....	
SEQ ID NO: 10	PIFVFYR HLPVIV SAKEIV EMPIIG MFLQALQ IIPVDR INPASR HHAAGN	
O35259	.....	YLPNGRF KEFLSKH....
Q9XFJ4	GLEALHGASIV HRDLKP ENCLFLNK DENSPLK IMDFGLSS IEDFANPV VG	
	201	250
Q24214	.....	
P28470	.....	
SEQ ID NO: 10	IRRRA MDNEWPH VMLFPEG TTNGKAL ISFKTGAF SPGLPV QPMVI KYPH	
O35259	.....	VHLMCYR.....
Q9XFJ4	LFGSIDY VSPEALS REKIT TKSDI WSLGV IILSGY PPFIAP SNRQKQ	
	251	300
Q24214	.....	
P28470	.....	
SEQ ID NO: 10	KYVN NPCWC NQGGPL VILFQL MTQFVN YMEVEY LPVMT PNVHEI KNP HEFA	
O35259	.....	ICVR..... ALT AIITY HN RK
Q9XFJ4	QMILNGQFS FDEKT WKNISS AKQL LISSL KVDP NMRPT AQEILE HPWVT	

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Figure 19 (continued)

	301	350
Q24214	.....	.MGNETSLPME
P28470	.....	.GNEASYHSE
SEQ ID NO: 10	NRVRTEMAKALGVVCTEHNF...LDIKLKMAAEKLKQPSGRSLVEFARME	
O35259	NRPR.....N.....	.GGICVANHT
Q9XFJ4	GDLAKQEQM岱EIVSRLQSFNARRKFRAAAMASILSSSFLRTKLLKKLV	
	351	400
Q24214	MCSNFDADAEIRRLGKRFRKLDLD..NSGALSVDEFMSLPELQ.QNPLVQR	
P28470	MGTHFDHDEIKRRLGRSFKKMDLD..KSGSLSVDEFMSLPELQ.QNPLVGR	
SEQ ID NO: 10	KLFRLDYSKAQEYLEKFSAMDPS..HSGYVTYDEFLKALHLP.PTQITEQ	
O35259	SRIDVIIFASDGYYAMVGQVHGG..LMGVIQRAMVKACPHVW.FERSEVK	
Q9XFJ4	GSYDLKPEELENLSHNFKKICKNGENSTILLEFEEVLKAMEMSSLVPLAPR	
	401	450
Q24214	VIDIFDADGNGEVDFKEFIQGSQFS.VKGDKLSKLRFAFRIYDMNDGY	
P28470	VIDIFDTDGNGEVDFREFIVGTSQFS.VKGDEEQKLRFAFRIYDMNDGF	
SEQ ID NO: 10	VFNLFDKNGHGSINFREFVAGLAFLS.THTSFQTTMKAAPKACVDGDGT	
O35259	DRHLVAKRLTEHVQDKSKLPILIFPEGTCINNTSVMMFKKGSFEIGATVY	
Q9XFJ4	IFDLFDNNRDGTVDMREIIGGFSSLK..YSQGDDALRLCFQVYDTRSGC	
	451	500
Q24214	ISNGELFQVLKMMVGNNLKD.TQLQQIVDKTIGFADKDDEDGKISFDEFCS	
P28470	ISNGELFQVLKMMVGNNLKD.WQLQQLVDKSILVLDKDGGRISFEEFRD	
SEQ ID NO: 10	LTRNEVESSLMAVFP.....ELPPATVULKFDTLNLNRDG SINWEEFSS	
O35259	PVAIKYDPQFGDAFWN.....SSKGGMVTYLLRMMTSWAIVCS	
Q9XFJ4	ISKEEVESMLRALPEDCLPINITEPGKLDEIFDLMMDANSDBGKVTFDEFKA	
	501	532
Q24214	VVGNTDIHKKMVVVDV.....	
P28470	VVRTMIEHKKLVVFVDHGQED.....	
SEQ ID NO: 10	FLQRNPEYLATI LAHPTLLQAPKSEESETNI	
O35259	VWYLPPTREKDEDAAVQFANRVKSAIARQEDW	
Q9XFJ4	AMQRDSSLQDVVLSSLRPN.....	

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Figure 20: Alignment of SEQ ID NO: 12 with Swiss Prot database

Q9XFW4	1	50
	.MAMAAAIVPLGILFFISGLVVNLLQAVCYVLVRPMSKNTYRKinRVVA	
Q9SDN3	.....	.....
Q40119	MAIPAAAFIVPISLLFFMSGLVVNFIQAVFYVLVRPISKDTYRRINTLVA	
Q41745	MAIPLVLLVPLGLLFLSGLIVNAIQAVLFVTIRPFSKSFYRRINRFLA	
Q9SYC8	MKIPAALVFIPVGVLFLISGLIVNIIQLVFFIIVRPFSRSLYRRINKNVA	
SEQ ID NO: 12	.....	MIMM
Q9XFW4	51	100
	ETLWLELVWIVDWWAGVKIQVFADDETFRNRMGKEHALVVCNHRSDIDWLV	
Q9SDN3	.....	MGKEHALVISNHRSDIDWLV
Q40119	ELLWLELVWVIDWWAGVKVQLYTDTESFRLMGKEHALLICNHRSDIDWL	I
Q41745	ELLWLQLVWVVDWWAGVKVQLHADEETYRSMGKEHALIISNHRSDIDWL	I
Q9SYC8	ELLWLQLIWLFDWWACIKINLYVDAETLELIGKEHALVLSNHRSDIDWL	I
SEQ ID NO: 12	EVLWSELIWLLDWANVKVKVYTPKESWEHLGKEHALLICNHRSDIDWL	V
Q9XFW4	101	150
	GWILAQRSGCLGSALAVMKSSKFLPVIGWSMWFSEYLFLERNWAKDEST	
Q9SDN3	GWVLAQRSGCLGSSLAVMKSSKFLPVIGWSMWFSEYLFLERSWAKDEGT	
Q40119	GWVLAQRCGCLSSSIAVMKSSKFLPVIGWSMWFSEYLFLERNWAKDENT	
Q41745	GWILAQRSGCLGSTLAVMKSSKFLPVIGWSMWFAEYLFLERSWAKDEKT	
Q9SYC8	GWVMAQRVGCLGSSLAIMKKEAKYLPPIIGWSMWFSDYIFLERSWAKDENT	
SEQ ID NO: 12	GWIIAQRLGCLGGTRAVMKSTKFLPVIGWSMWFSEYVFLSRDWAKDEKV	
Q9XFW4	151	200
	LQSLQLRNLDFPRFWLALFVEGTRFTEAKLKAAQEYAASSELPVPRNV	L
Q9SDN3	LKSGVQRLKDFFPQFWLALFVEGTRFTQAKLLAAQEYAAATGLPVPRNV	L
Q40119	LKSGLQLRNLDFPKFWLALFVEGTRFTKAKLLAAQEYAAASAGLPVPRNV	L
Q41745	LKWGLQRLKDFFPFWLALFVEGTRFTPAPKLLAAQEYAAASQGLPAPRN	V
Q9SYC8	LKAGFKRLEDFFPMTFWLALFVEGTRFTQEKLAAQEYASIRSLPSRN	V
SEQ ID NO: 12	LKNGYSSLKGFPRTLWALFVEGTRFTKAKLEVAQKFAADTGLRVPRYV	L
Q9XFW4	201	250
	IPRTKGFVSAVNMRSPVPAIYDMTVAIPKTSPPPTMLRLFKGQPSVVHV	
Q9SDN3	IPRTKGFVTAQSMRSPFAPAIYDVTVAIPKSSPAPTMLRLFEGRPSVVHV	
Q40119	IPRTKGFVSAVNMRSPVPAIYDLTVAIPKTTEQPTMLRLFRGKSSVVHV	
Q41745	IPRTKGFVSAVSIMRDVFPVPAIYDTTVIVPKDSPQPTMLRILKGQSSVIHV	
Q9SYC8	IPRTKGFVSAVSEIRSFVPAIYDCTLTVHNQPTPTLLRMFSGQSSEINL	
SEQ ID NO: 12	VPRTKGFVSAVENLREFVPPVYDMTVAISKEPNPTMIRIFRGQPSVVHV	

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Figure 20 (continued)

	251	300
Q9XFW4	HIKCHSMKDLPEPEDEIAQWCRDQFVAKDALLDKHIAADTFPGQKEQNIG	
Q9SDN3	HIKRHVMRDLPEDEAVAQWCKDIFVAKDALLDKHTVEQTFGDQQLKVTG	
Q40119	HLKRHLMKDLPKTDDGVAQWCKDQFISKDALLDKHVAEDTFSGLEVQDIG	
Q41745	RMKRHAMSEMPKSDEDVSKWCKDIFVAKDALLDKHLATGFD.EEIRPIG	
Q9SYC8	QMRRHKMSELPETDGGIAQWCQDLFITKDAQLEKYFTKDVFSLEVHQIN	
SEQ ID NO: 12	YVRRVPMSDLPEGANAISKWCHDAFHIKDDRLEQHEKNTFGEDLYIPIE	
	301	350
Q9XFW4	RPIKSLAVVVSWACLLTLGAMKFLHWSNLFSSWKGIALSEAGLGIITLCM	
Q9SDN3	RPLKSLVVVTAWACLLLILGALKFLYWSSLSSWKGIASFALGLGVVTVLM	
Q40119	RPMKSLVVVVSWMCLLCLGLVKFLQWSALLSSWKGMITTFLGIVTVLM	
Q41745	RPVKSSLVTLFWSCLLLFGAIEFFKWTQLLSTWRGVAFTAAGMALVTGVM	
Q9SYC8	RPIKPLIVVIIWLGFVFVGGFKLLQWLSIVASWKIILLFVFFLVIATITM	
SEQ ID NO: 12	RPLKPLIIVVISWAITLLAAAWFLRR..VLSTWKGIAWAGVLVVVMLCV	
	351	391
Q9XFW4	QILIRSSQSERSTPAKVAPAKPKDNHQSGPSSQTEVEEKQK	
Q9SDN3	QILIRFSQSERSTPAPVAPTNNKNKGESSGKPEKQQ.....	
Q40119	HILIRSSQSEHSTPAKTRARQTAENPK.....	
Q41745	HVFIMFSQAERSSSARAARNRVKKE.....	
Q9SYC8	QILIQSSESQRSTPAKRPLQEQLISA.....	
SEQ ID NO: 12	QILVMSSQSERSSDPAAKKANQKQAASVAHLGKTD.....	